



Note: Generation-Load Summary (MW) for 01-Jun-25 at 09:00 hrs				
Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	2,953.54	949.06	2,004.48

Note: Generation-Load Summary (MW) for 01-Jun-24 at 09:00 hrs				
Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	960.27	857.23	103.04

THE DAILY BHUTAN POWER SYSTEM OPERATOR LOAD-GENERATION BALANCE REPORT & ENERGY FIGURES ISSUED ON 02-Jun-2025(-ve:import, +ve:export)						
Report	Date	Time	National Coincidental Peak Load (MW)		Date	Time
Details	June 1, 2025	19:00:00			25-Dec-2024	18:36
Sl. No.	Hydropower Plant	Unit	MW	Transmission Lines and Elements	Load (MW)	Remarks
1	6 x 170MW THP	Unit- I	160.90	400kV THP - Siliguri Line - I	0.00	400kV THP-Siliguri Line -I under Shutdown.
		Unit- II	163.63	400kV THP - Siliguri Line - II	213.45	
		Unit- III	170.50	400kV THP - Siliguri Line - IV	201.31	
		Unit- IV	0.00	400kV THP - Malbase Line - III	417.49	
		Unit- V	169.50	400kV Malbase - Siliguri Line	150.50	
		Unit- VI	169.01	-	-	
		Total	833.54	Auxiliary Consumption & Transformation Losses at Generator end	0.15%	
2	4 x 180MW MHP	Unit-I	186.78	400kV MHP - Jigmeling Line - I	245.74	400kV MHP-JLG line-II on Standby. 132kV MHP_Yurmoo Line- I not in Service.
		Unit-II	185.27	400kV MHP - Jigmeling Line - II	0.00	
		Unit-III	185.30	400kV MHP - Jigmeling Line - III	255.21	
		Unit-IV	186.50	400kV MHP - Jigmeling Line - IV	254.98	
		-	-	132kV MHP - Yurmo Line - I	0.00	
		-	-	132kV MHP - Yurmo Line - II	60.60	
		-	-	500MVA, 400/220kV ICT at Jigmeling (HV)	237.46	
		-	-	400kV Jigmeling - Alipurdwar Line - I	529.46	
		-	-	400kV Jigmeling - Alipurdwar Line - II	528.00	
		-	-	80MVA, 220/132kV ICT - I (HV)	-59.62	
		-	-	80MVA, 220/132kV ICT - II (HV)	-59.05	
		-	-	220kV Tsirang - Jigmeling Line	-102.61	
		-	-	132kV Gelephu - Salakati Line	28.00	
		Total	743.85	Auxiliary Consumption & Transformation Losses at Generator end	0.32%	
3	6 x 170MW PHP-II	Unit- I	184.80	400kV PHP II - Jigmeling -I	274.18	erstwhile interim lines
		Unit- II	181.17	400kV PHP II - Jigmeling -II	273.46	
		Unit- III	184.60	400kV PHP II - Alipurdwar -I	0.00	
		Unit- IV	0.00	400kV PHP II - Alipurdwar -II	0.00	
		Unit- V	0.00	-	-	
		Unit- VI	0.00	-	-	
		Total	550.57	Auxiliary Consumption & Transformation Losses at Generator end	0.53%	
4	4 x 84MW CHP	Unit- I	91.64	220kV CHP - Birpara Line - I	28.76	
		Unit- II	91.36	220kV CHP - Birpara Line - II	28.31	
		Unit- III	91.76	220kV CHP - Gedu	109.67	
		Unit- IV	91.99	220kV CHP - Jamjee - I	63.05	
		-	-	220kV CHP - Jamjee - II	62.73	
		-	-	220kV CHP - Jamjee - III	60.40	
		-	-	220kV Malbase - Birpara Line	3.60	
		-	-	66kV CHP - Gedu Line	10.98	
		-	-	3x3MVA, 66/11kV TFR	1.58	
		Total	366.75	Auxiliary Consumption & Transformation Losses at Generator end	0.35%	
5	2 x 12MW BHP (U/S)	Unit- I	5.30	220kV BHP - Semtokha Line	130.10	
		Unit- II	5.62	66kV BHP - Lobeysa Line	26.20	
		Total	10.92	220kV BHP - Tsirang Line	-126.50	
6	2 x 20MW BHP (L/S)	Unit- I	9.93	5MVA, 66/11kV TFR	0.58	
		Unit- II	9.60	30MVA ICT, 220/66kV (HV)	16.29	
		Total	19.53	Auxiliary Consumption & Transformation Losses at Generator end	0.23%	
7	2 x 63MW DHP	Unit-I	30.81	220kV DHP - Tsirang Line	0.00	132kV DHP_Tsirang Line on Standby
		Unit-II	30.49	220kV DHP - Dagapela Line	60.20	
		-	-	220kV Jigmeling - Dagapela Line	-10.20	
		-	-	5MVA, 220/33kV TFR	0.20	
		Total	61.30	Auxiliary Consumption & Transformation Losses at Generator end	1.47%	
8	4 x 15MW KHP	Unit- I	15.75	132kV KHP - Nangkhor Line	42.59	
		Unit-II	15.93	132kV KHP - Kilikhar Line	21.32	
		Unit- III	16.31	5MVA, 132/11kV TFR	0.33	
		Unit- IV	16.55	132kV Motanga - Rangia Line	34.60	
		Total	64.54	Auxiliary Consumption & Transformation Losses at Generator end	0.46%	
9	2 x 59MW NHP	Unit-I	39.96	132kV NHP-MHP-I	35.38	
		Unit-II	35.59	132kV NHP-MHP-II	39.71	
		Total	75.55	Auxiliary Consumption & Transformation Losses at Generator end	0.61%	
10	2 x 9MW SHP	Unit- I	4.93	66kV SHP-Damdhum (Samtse)	0.00	Interim measure: evacuation is through 33kV system.
		Unit- II	4.97	-	-	
		Total	9.90	Auxiliary Consumption & Transformation Losses at Generator end	100.00%	

Note: Generation-Load Summary (MW) for 01-Jun-2025 at 19:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	2,736.45	990.46	1,745.99

Note: Generation-Load Summary (MW) for 01-Jun-2024, at 19:00 hrs

Sl. No.	Region	Total Generation	Total Domestic Load (Total Generation - Total Export)	Total Export(+ve)/ Import(-ve)
1	Both Eastern & Western (Whole Bhutan)	1,009.16	894.15	115.01

Note: Daily Energy (MUs) and Power(MW) Statistics for 01-Jun-2025

Sl. No.	Total Energy Generation	Daily Energy Met	Net Energy Import (IEX and Solar)	Net Energy Export	Peak Cross-border (MW)
1	66.12	22.47	0.00	43.65	2,092.71

- The Instantaneous load balance,calculated as (Total generation - (Total export-Import) - Total domestic load), do not tend towards zero. This could be due to the following reasons:
 - Not all the meters are digital and now are all the meter at all locations can be read at same time (say 9:00hrs) due to many meter to be read manually. ii) The clocks of all the locations are not synchronized.
- This report, compiled using the SCADA data, is prepared to give an overall idea of the generation & load flow for the system at a particular instant. This report also gives energy and import/export figures.
- When SCADA data are unavailable for certain stations due to technical issues, required data are collected from the site.